

1 **In the Claims**

2 Claim 36 is amended.

3 Claims 1-76 remain in the application and are listed below:

4

5 1. (Original) A method of processing media content comprising:
6 receiving a physical ID that corresponds to a specific media upon which
7 content resides that can be experienced by a user;

8 mapping the physical ID to a logical ID; and

9 searching a database that contains metadata associated with the specific
10 media by using the logical ID as a basis for a search query.

11

12 2. (Original) The method of claim 1 further comprising returning the
13 metadata to a client.

14

15 3. (Original) The method of claim 1 further comprising formatting the
16 metadata in a schema and returning the formatted metadata to a client.

17

18 4. (Original) The method of claim 1 further comprising formatting the
19 metadata in a XML schema and returning the formatted metadata to a client.

20

21 5. (Original) The method of claim 1, wherein the specific media
22 comprises a CD.

23

24 6. (Original) The method of claim 1, wherein the specific media
25 comprises a DVD.

1
2 7. (Original) One or more computer-readable media having computer-
3 readable instructions thereon which, when executed by a computer, cause the
4 computer to implement the method of claim 1.

5
6 8. (Original) A server comprising:
7 one or more processors;
8 one or more storage devices; and
9 software code resident on the one or more storage devices which, when
10 executed by the one or more processors, cause the processors to:
11 receive a physical ID that corresponds to a specific media upon
12 which content resides that can be experienced by a user;
13 map the physical ID to a logical ID;
14 search a database that contains metadata associated with the specific media
15 by using the logical ID as a basis for a search query;
16 format the metadata in a XML schema; and
17 return the formatted metadata to a client.

18
19 9. (Original) One or more computer-readable media having computer-
20 readable instructions thereon which, when executed by a computer, cause the
21 computer to:

22 receive a physical ID that corresponds to a specific media upon which
23 content resides that can be experienced by a user;
24 map the physical ID to a logical ID;

1 search a database that contains metadata associated with the specific media
2 by using the logical ID as a basis for a search query;
3 format the metadata in a XML schema; and
4 return the formatted metadata to a client.

5

6 10. (Original) A method of processing media content comprising:
7 associating a physical ID with a logical ID, the physical ID corresponding
8 to a specific media associated with content that can be experienced by a user;
9 using the logical ID to query one or more databases that contain metadata
10 associated with the specific media; and
11 returning metadata associated with the specific media to a client.

12

13 11. (Original) The method of claim 10, wherein said returning comprises
14 returning the metadata via the Internet.

15

16 12. (Original) The method of claim 10, wherein said returning comprises
17 formatting the metadata in a schema and returning the formatted metadata to the
18 client.

19

20 13. (Original) The method of claim 10, wherein said returning comprises
21 formatting the metadata in a XML schema and returning the formatted metadata to
22 the client.

23

24 14. (Original) The method of claim 10, wherein the specific media
25 comprises a CD.

1

2 15. (Original) The method of claim 10, wherein the specific media
3 comprises a DVD.

4

5 16. (Original) The method of claim 10, wherein the specific media
6 comprises a file.

7

8 17. (Original) One or more computer-readable media having computer-
9 readable instructions thereon which, when executed by a computer, cause the
10 computer to implement the method of claim 10.

11

12 18. (Original) A server computer programmed with instructions which,
13 when executed by the server computer, cause it to implement the method of claim
14 10.

15

16 19. (Original) A method of processing media content comprising:
17 receiving a physical ID that corresponds to a specific media associated with
18 content that can be experienced by a user;
19 attempting to map the physical ID to a logical ID;
20 if a logical ID is found that corresponds to the physical ID, searching a
21 database that contains metadata associated with the specific media by using the
22 logical ID as a basis for a search query;
23 if no logical ID is found that corresponds to the physical ID, attempting to
24 establish a logical ID for the physical ID.

25

1 20. (Original) The method of claim 19, wherein said attempting
2 comprises causing a Wizard user interface (UI) to be presented to a user via a
3 client computer so that information pertaining to the user's specific media can be
4 collected from the user.

5
6 21. (Original) The method of claim 19, wherein said attempting
7 comprises attempting to identify the specific media to ascertain whether a logical
8 ID already exists for the specific media.

9
10 22. (Original) The method of claim 19 further comprising if said
11 attempting is unsuccessful, enabling the user to establish a physical ID-to-logical
12 ID mapping for their physical ID.

13
14 23. (Original) The method of claim 19, wherein said specific media
15 comprises a CD.

16
17 24. (Original) The method of claim 19, wherein said specific media
18 comprises a DVD.

19
20 25. (Original) The method of claim 19, wherein said specific media
21 comprises a file.

22
23 26. (Original) One or more computer-readable media having computer-
24 readable instructions thereon which, when executed by a computer, cause the
25 computer to implement the method of claim 19.

1
27. (Original) A server computer comprising:

3 one or more processors;

4 one or more storage devices; and

5 software code resident on the one or more storage devices which, when
6 executed by the one or more processors, cause the processors to:

7 receive a physical ID that corresponds to a specific media upon
8 which content resides that can be experienced by a user;

9 attempt to map the physical ID to a logical ID;

10 if a logical ID is found that corresponds to the physical ID, search a
11 database that contains metadata associated with the specific media by using the
12 logical ID as a basis for a search query; and

13 if no logical ID is found that corresponds to the physical ID, attempt to
14 establish a logical ID for the physical ID.

15
16 28. (Original) The server computer of claim 27, wherein the software
17 code causes the processors to attempt to establish a logical ID for the physical ID
18 by causing a Wizard user interface (UI) to be presented to a user via a client
19 computer so that information pertaining to the user's specific media can be
20 collected from the user.

21
22 29. (Original) A method of processing media content comprising:

23 receiving a physical ID that corresponds to a specific media upon which
24 content resides that can be experienced by a user;

1 attempting to map the physical ID to a logical ID by searching a first table
2 containing physical ID-to-logical ID mappings using a first search;

3 if the first search is unsuccessful, searching a second table containing
4 physical ID-to-logical ID mappings using a second search; and

5 if a logical ID is found that corresponds to the physical ID, searching a
6 database that contains metadata associated with the specific media by using the
7 logical ID as a basis for a search query.

8
9 30. (Original) The method of claim 29, wherein the first table is a trusted
10 table.

11
12 31. (Original) The method of claim 29, wherein the first table is a trusted
13 table and the second table is less trusted than the first table.

14
15 32. (Original) The method of claim 29, wherein the second table
16 contains user-provided physical ID-to-logical ID mappings.

17
18 33. (Original) The method of claim 29, wherein the first search
19 comprises a low cost search, and further comprising if no logical ID is found for
20 the physical ID, searching the first table using a third search, the third search
21 comprising a higher cost search than the first search.

22
23 34. (Original) One or more computer-readable media having computer-
24 readable instructions thereon which, when executed by a computer, cause the
25 computer to implement the method of claim 29.

1
2 35. (Original) One or more computer-readable media having computer-
3 readable instructions thereon which, when executed by a computer, cause the
4 computer to:

5 receive a physical ID that corresponds to a specific media upon which
6 content resides that can be experienced by a user;

7 attempt to map the physical ID to a logical ID by searching a first table
8 containing physical ID-to-logical ID mappings using a first search, the first search
9 comprising a low cost search;

10 if the first search is unsuccessful, search a second table containing physical
11 ID-to-logical ID mappings using a second search;

12 if the second search is unsuccessful, search the first table using a third
13 search, the third search comprising a higher cost search than the first search; and

14 if a logical ID is found that corresponds to the physical ID, search a
15 database that contains metadata associated with the specific media by using the
16 logical ID as a basis for a search query.

17
18 36. (Presently Amended) A method of processing media content
19 comprising:

20 providing a canonical table containing physical ID to logical ID mappings,
21 the physical IDs being associated with specific media containing content that can
22 be experienced by a user, the logical IDs being configured for use in database
23 queries to locate metadata associated with specific media;

24 providing a table containing user-provided physical ID to logical ID
25 mappings;

1 receiving a physical ID associated with a specific media;

2 ~~conducting~~ conducting a first low cost search of the canonical table to
3 determine whether there is a matching physical ID with a corresponding logical
4 ID;

5 if the first low cost search is unsuccessful, conducting a second low cost
6 search of the table containing the user-provided physical ID to logical ID
7 mappings to determine whether there is a matching physical ID with a
8 corresponding logical ID;

9 if the second low cost search is unsuccessful, conducting a third higher cost
10 search of the canonical table to determine whether there is a matching physical ID
11 with a corresponding logical ID; and

12 if any of the searches are successful, using the corresponding logical ID to
13 search a database containing metadata associated with the specific media.

14
15 37. (Original) The method of claim 36, wherein the specific media
16 comprises CDs.

17
18 38. (Original) The method of claim 36, wherein the specific media
19 comprises DVDs.

20
21 39. (Original) A method of processing media content comprising:
22 receiving a physical ID that corresponds to a specific media upon which
23 content resides that can be experienced by a user;

1 attempting to map the physical ID to a logical ID, the logical ID serving as
2 a basis for a search query of a database that contains metadata associated with the
3 specific media;

4 if no logical ID is found that corresponds to the physical ID, attempting to
5 establish a logical ID for the physical ID by causing a Wizard user interface (UI)
6 to be presented to a user via a client computer so that information pertaining to the
7 user's specific media can be collected from the user.

8

9 40. (Original) The method of claim 39 further comprising receiving
10 information from the user, via the Wizard UI, the information pertaining to the
11 user's specific media.

12

13 41. (Original) The method of claim 39, wherein the specific media
14 comprises a CD, and the information collected by the Wizard UI comprises an
15 artist's name.

16

17 42. (Original) The method of claim 39, wherein the specific media
18 comprises a CD, and the information collected by the Wizard UI comprises a CD
19 title.

20

21 43. (Original) The method of claim 39, wherein the specific media
22 comprises a DVD.

23

24 44. (Original) The method of claim 39 further comprising searching for
25 specific media based on the information collected by the Wizard UI.

1
2 45. (Original) The method of claim 44 further comprising forming an
3 association between the received physical ID and a logical ID if said searching
4 finds media that coincides with the user's information.

5
6 46. (Original) The method of claim 44 further comprising if said
7 searching is unsuccessful, prompting the user to enter media-specific information
8 so that an association can be established between the media and a logical ID.

9
10 47. (Original) One or more computer-readable media having computer-
11 readable instructions thereon which, when executed by a computer, cause the
12 computer to:

13 receive a physical ID that corresponds to a specific media upon which
14 content resides that can be experienced by a user;

15 attempt to map the physical ID to a logical ID, the logical ID serving as a
16 basis for a search query of a database that contains metadata associated with the
17 specific media;

18 if no logical ID is found that corresponds to the physical ID, attempt to
19 establish a logical ID for the physical ID by causing a Wizard user interface (UI)
20 to be presented to a user via a client computer so that information pertaining to the
21 user's specific media can be collected from the user.

22
23 48. (Original) A system for providing metadata to clients comprising:
24 a server configured to receive physical IDs that correspond to a specific
25 media upon which content resides that can be experienced by a user;

1 one or more databases containing metadata associated with various media;

2 and

3 at least one table containing physical IDs and associated logical IDs to
4 which the physical IDs are mapped, the logical IDs being configured for use by
5 the server in searching the one or more databases for metadata associated with
6 specific media.

7
8 49. (Original) The system of claim 48, wherein the server is configured
9 to format metadata in a schema and return the formatted metadata to a client.

10
11 50. (Original) The system of claim 48, wherein the server is configured
12 to format metadata in a XML schema and return the formatted metadata to a
13 client.

14
15 51. (Original) A system for providing metadata to clients comprising:
16 a canonical table comprising multiple physical IDs associated with specific
17 media containing content that can be experienced by a user;
18 multiple logical IDs associated with the multiple physical IDs;
19 individual physical IDs being mapped to individual logical IDs; and
20 the logical IDs being configured for use in database queries to locate
21 metadata associated with specific media.

22
23 52. (Original) The system of claim 51 further comprising at least one
24 other table containing multiple physical IDs and multiple logical IDs, individual
25 physical IDs being mapped to individual logical IDs.

1
2 53. (Original) The system of claim 52, wherein the canonical table is
3 trusted.
4

5 54. (Original) The system of claim 52, wherein the canonical table is
6 trusted, and the at least one other table is less trusted.
7

8 55. (Original) The system of claim 52, wherein the at least one other
9 table comprise user-provided mappings.
10

11 56. (Original) A method of processing media content comprising:
12 receiving a physical ID that corresponds to a specific CD upon which
13 content resides that can be experienced by a user;
14 mapping the physical ID to a logical ID;
15 searching a database that contains metadata associated with the CD by
16 using the logical ID as a basis for a search query;
17 formatting the metadata in a XML schema; and
18 returning the formatted metadata to a client.
19

20 57. (Original) The method of claim 56, wherein the XML schema
21 comprises tags associated with one or more of: a CD name, author, release date,
22 genre, style, rating and label.
23
24
25

1 58. (Original) The method of claim 56, wherein the XML schema
2 comprises at least one tag associated with a URL associated with data pertaining
3 to the CD.

4

5 59. (Original) The method of claim 56, wherein the XML schema
6 comprises at least one tag associated with a URL associated with data pertaining
7 to cover art for the CD.

8

9 60. (Original) The method of claim 56, wherein the XML schema
10 comprises at least one tag associated with a URL associated with data pertaining
11 to a purchasing experience.

12

13 61. (Original) A method of processing media content comprising:
14 receiving a physical ID that corresponds to a specific DVD upon which
15 content resides that can be experienced by a user;
16 mapping the physical ID to a logical ID;
17 searching a database that contains metadata associated with the DVD by
18 using the logical ID as a basis for a search query;
19 formatting the metadata in a XML schema; and
20 returning the formatted metadata to a client.

21

22 62. (Original) The method of claim 61, wherein the XML schema
23 comprises tags associated with one or more of: a title, studio, lead performer,
24 director, rating, and genre.

1 63. (Original) An XML schema comprising:
2 a name tag associated with a CD name;
3 an author tag associated with a CD author;
4 a track tag associated with a CD track;
5 at least one URL tag referencing a link to additional information pertaining
6 to the CD; and

7 the schema being configured for use in sending metadata associated with a
8 CD to client computer for display for a user.

9
10 64. (Original) The XML schema of claim 63, wherein said link
11 comprises a purchasing link to enable a user to make purchases associated with the
12 CD via a network.

13
14 65. (Original) The XML schema of claim 63, wherein said link
15 comprises a cover art link to enable a user to obtain cover art associated with the
16 CD via a network.

17
18 66. (Original) An XML schema comprising:
19 a title tag associated with a title of a movie embodied on a DVD; and
20 at least one URL tag referencing a link to additional information pertaining
21 to the DVD.

22
23 67. (Original) The XML schema of claim 66, wherein said link
24 comprises an art link to enable a user to obtain art associated with the DVD via a
25 network.

1
2 68. (Original) The XML schema of claim 66, wherein said link
3 comprises a purchase link to enable a user to make purchases associated with the
4 DVD via a network.

5
6 69. (Original) A method of processing media content comprising:
7 generating a physical ID that corresponds to a specific media upon which
8 content resides that can be experienced by a user on a client computer;
9 sending the physical ID to a server configured to return metadata associated
10 with the specific media;
11 receiving, from the server, XML-formatted metadata;
12 parsing, with the client computer, the XML-formatted metadata; and
13 displaying the metadata for the user on the client computer.

14
15 70. (Original) The method of claim 69, wherein the specific media
16 comprises a CD.

17
18 71. (Original) The method of claim 69, wherein the specific media
19 comprises a DVD.

20
21 72. (Original) A method of providing metadata to a client comprising:
22 establishing a table that contains user-provided entries that map physical
23 IDs to logical IDs, the physical IDs corresponding to specific media upon which
24 content resides that can be experienced by various users, the logical IDs being

1 configured for use in querying one or more databases that contain metadata
2 associated with the specific media, the metadata being returnable to a client;

3 statistically evaluating the entries to determine, for each physical ID, a most
4 likely logical ID match; and

5 making the most likely logical ID match available so that it can be used to
6 query the one or more databases.

7
8 73. (Original) The method of claim 72, wherein said making comprises
9 providing the logical ID into a trusted table of physical ID-to-logical ID mappings.

10
11 74. (Original) A method of providing metadata to a client comprising:
12 providing a table containing user-provided entries that map physical IDs to
13 logical IDs, the physical IDs corresponding to specific media upon which content
14 resides that can be experienced by various users, the logical IDs being configured
15 for use in querying one or more databases that contain metadata associated with
16 the specific media, the metadata being returnable to a client;

17 computing, from the table, a list of physical IDs that are to be statistically
18 evaluated;

19 for each listed physical ID, ascertaining the logical IDs that have been
20 associated with it by users;

21 computing a distribution of logical IDs for a given physical ID, the
22 distribution describing, for each logical ID, the number of times the physical ID
23 has been mapped thereto;

24 adding to the distribution, an entry that corresponds to a current trusted
25 logical ID mapping;

1 weighting the added entry; and
2 computing, from the distribution, a most likely physical ID to logical ID
3 match.
4

5 75. (Original) The method of claim 74 further comprising updating a
6 canonical table of trusted mappings with the most likely physical ID to logical ID
7 match.
8

9 76. (Original) The method of claim 74, wherein said computing a most
10 likely physical ID to logical ID match comprises:
11

12 computing a distribution count that sums the total number of times a
physical ID has been mapped to a logical ID;
13

14 calculating, for each logical ID, a percentage as a function of the summed
distribution count; and
15

16 selecting a logical ID that has a percentage that meets predefined criteria.
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